

10630740
STN Search

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(FILE 'HOME' ENTERED AT 14:35:05 ON 27 MAR 2006)

FILE 'REGISTRY' ENTERED AT 14:35:26 ON 27 MAR 2006

L1 0 S (##LYSINE OR ##LYS)
L2 108434 S LYSINE
L3 97262 S L-LYSINE
L4 322 S L3 AND AMINO ACID
L5 0 S HYDROXYDIAMINOPIMELIC
L6 0 S ?HYDORXYDIAMINOPIMELIC?
L7 273 S DAPA
L8 125 S CITE
L9 359 S DIHYDRODIPICOLINATE SYNTHASE — 853964-89-3/RN
L10 0 S L9 AND CORYNEFORM
L11 6 S L9 AND (CORYNE? OR CORYNEBACTE? OR BREVIBAC?)
L12 0 S HYDROXYDIAMINOPIMELIC
L13 0 S OXODIAMINOPIMELIC
L14 0 S ?OXODIAMINOPIMELIC ACID
L15 1 S TRIAMINOPIMELIC ACID — 48065-37-8/RN 2,4,6-Triaminopi-
L16 0 S FLUORODIAMINOPIMELIC melic acid

FILE 'CAPLUS' ENTERED AT 14:47:03 ON 27 MAR 2006

L17 15280 S (CORYMEFORM? OR CORYNEBACTER? OR BREVIBACTER?)
L18 102096 S LYSINE
L19 2088 S DIAMINOPIMELIC ACID

FILE 'REGISTRY' ENTERED AT 14:48:58 ON 27 MAR 2006

L20 48 S DIAMINOPIMELIC

FILE 'CAPLUS' ENTERED AT 14:49:52 ON 27 MAR 2006

L21 1370 S L20
L22 8 S L15
L23 54 S L17 AND L18 AND L19
L24 33 S L23 AND L21
L25 21 S L24 AND (PROD? OR PROCESS)

=> d L25 1-21

L25 ANSWER 1 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:1332754 CAPLUS

DN 144:190664

TI Amplified expression of fructose 1,6-bisphosphatase in
Corynebacterium glutamicum increases in vivo flux through the
pentose phosphate pathway and lysine production on
different carbon sources

AU Becker, Judith; Klopprogge, Corinna; Zelder, Oskar; Heinzle, Elmar;
Wittmann, Christoph

CS Biochemical Engineering, Saarland University, Saarland, Germany

SO Applied and Environmental Microbiology (2005) 71(12), 8587-8596

CODEN: AEMIDF; ISSN: 0099-2240

PB American Society for Microbiology

DT Journal

LA English

RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L25 ANSWER 2 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:1121437 CAPLUS

DN 142:215001

TI Metabolic fluxes in Corynebacterium glutamicum during

lysine production with sucrose as carbon source
AU Wittmann, Christoph; Kiefer, Patrick; Zelder, Oskar
CS Biochemical Engineering, Saarland University, Saarbruecken, Germany
SO Applied and Environmental Microbiology (2004) 70(12), 7277-7287
CODEN: AEMIDF; ISSN: 0099-2240
PB American Society for Microbiology
DT Journal
LA English
RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L25 ANSWER 3 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:120993 CAPLUS
DN 140:162440
TI Production of L-lysine using Corynebacterium
glutamicum mutants resistant to diaminopimelic acid
analogues
IN Bathe, Brigitte; Hans, Stephan; Pfefferle, Walter
PA Degussa AG, Germany
SO PCT Int. Appl., 25 pp.
CODEN: PIXXD2
DT Patent
LA English

*in grant
Application*

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|------------------|------|----------|------------------|-----------------|
| PI | WO 2004013341 | A1 | 20040212 | WO 2003-EP7474 | 20030710 |
| | DE 10235028 | A1 | 20040219 | DE 2002-10235028 | <u>20020731</u> |
| | AU 2003244081 | A1 | 20040223 | AU 2003-244081 | 20030710 |
| | EP 1525321 | A1 | 20050427 | EP 2003-766147 | 20030710 |
| | CN 1671854 | A | 20050921 | CN 2003-818087 | 20030710 |
| | US 2004067562 | A1 | 20040408 | US 2003-630740 | <u>20030731</u> |
| PRAI | DE 2002-10235028 | A | 20020731 | | |
| | US 2002-401751P | P | 20020808 | | |
| | WO 2003-EP7474 | W | 20030710 | | |

L25 ANSWER 4 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:120992 CAPLUS
DN 140:162439
TI Prodn. of L-lysine using Corynebacterium
glutamicum mutants sensitive to diaminopimelic acid
analogues
IN Bathe, Brigitte; Reynen, Caroline; Pfefferle, Walter
PA Degussa AG, Germany
SO PCT Int. Appl., 22 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

*Same Application
1 day earlier*

↑ other

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|------------------|------|----------|------------------|----------|
| PI | WO 2004013340 | A2 | 20040212 | WO 2003-EP7475 | 20030710 |
| | WO 2004013340 | A3 | 20040325 | | |
| | DE 10235029 | A1 | 20040219 | DE 2002-10235029 | 20020731 |
| | AU 2003250933 | A1 | 20040223 | AU 2003-250933 | 20030710 |
| | EP 1525322 | A2 | 20050427 | EP 2003-766148 | 20030710 |
| | CN 1671853 | A | 20050921 | CN 2003-818086 | 20030710 |
| | US 2004067561 | A1 | 20040408 | US 2003-629551 | 20030730 |
| PRAI | DE 2002-10235029 | A | 20020731 | | |
| | US 2002-401752P | P | 20020808 | | |
| | WO 2003-EP7475 | W | 20030710 | | |

L25 ANSWER 5 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1994:157523 CAPLUS

DN 120:157523

TI Cloning and expression of gene for diaminopimelic acid
dehydrogenase of *Brevibacterium flavum*

IN Kobayashi, Miki; Kohama, Keiko; Kurusu, Yasuro; Yugawa, Hideaki

PA Mitsubishi Petrochemical Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 14 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---------------|------|----------|-----------------|----------|
| PI | JP 05284970 | A2 | 19931102 | JP 1992-85167 | 19920407 |
| PRAI | JP 1992-85167 | | 19920407 | | |

L25 ANSWER 6 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1993:467691 CAPLUS

DN 119:67691

TI Flux partitioning in the split pathway of lysine synthesis in
Corynebacterium glutamicum. Quantification by carbon-13 and proton
NMR spectroscopy

AU Sonntag, Kirsten; Eggeling, Lothar; De Graaf, Albert A.; Sahm, Hermann

CS Inst. Biotechnol., Forschungszent. Juelich, Juelich, W-5170, Germany

SO European Journal of Biochemistry (1993) 213(3), 1325-31

CODEN: EJBCAI; ISSN: 0014-2956

DT Journal

LA English

L25 ANSWER 7 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1991:22402 CAPLUS

DN 114:22402

TI Threonine production by dihydrodipicolinate synthase-defective
mutants of *Brevibacterium flavum*

AU Shio, Isamu

CS Cent. Res. Lab., Ajinomoto Co., Inc., Kawasaki, 210, Japan

SO Biotechnology Advances (1990) 8(1), 97-103

CODEN: BIADDD; ISSN: 0734-9750

DT Journal

LA English

L25 ANSWER 8 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1989:131936 CAPLUS

DN 110:131936

TI Threonine production by dihydrodipicolinate synthase-defective
mutants of *Brevibacterium flavum*

AU Shio, Isamu; Yokota, Atsushi; Toride, Yasuhiko; Sugimoto, Shinichi

CS Cent. Res. Lab., Ajinomoto Co., Inc., Kawasaki, 210, Japan

SO Agricultural and Biological Chemistry (1989) 53(1), 41-8

CODEN: ABCHA6; ISSN: 0002-1369

DT Journal

LA English

L25 ANSWER 9 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1985:559125 CAPLUS

DN 103:159125

TI L-Lysine production from culture of recombinant
microorganisms

PA Ajinomoto Co., Inc., Japan

SO Jpn. Kokai Tokkyo Koho, 12 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|------|----------|-----------------|----------|
| PI | JP 60062994 | A2 | 19850411 | JP 1984-169897 | 19840816 |
| | JP 06091829 | B4 | 19941116 | | |
| PRAI | US 1983-525993 | A | 19830824 | | |

L25 ANSWER 10 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1985:126634 CAPLUS

DN 102:126634

TI DNA fragment containing diaminopimelate decarboxylase gene

PA Ajinomoto Co., Inc.; Japan

SO Jpn. Kokai Tokkyo Koho, 14 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---------------|------|----------|-----------------|----------|
| PI | JP 59210887 | A2 | 19841129 | JP 1983-75560 | 19830428 |
| | JP 04041996 | B4 | 19920710 | | |
| PRAI | JP 1983-75560 | | 19830428 | | |

L25 ANSWER 11 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1982:422082 CAPLUS

DN 97:22082

TI Microbiological preparation of L-lysine

IN Sakse, A.; Ruklisa, M.; Viesturs, U.; Leite, M.; Klavina, S.; Svinka, J.; Bakers, M.; Selga, S.

PA Kirhensteins, A., Institute of Microbiology, USSR

SO Fr. Demande, 16 pp.

CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---------------|------|----------|-----------------|----------|
| PI | FR 2488273 | A1 | 19820212 | FR 1980-17480 | 19800807 |
| | FR 2488273 | B1 | 19840224 | | |
| PRAI | FR 1980-17480 | A | 19800807 | | |

L25 ANSWER 12 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1975:512357 CAPLUS

DN 83:112357

TI L-.epsilon.-N-Acetyllysine by fermentation

IN Vandecasteele, Jean P.; Lapeyronnie, Michele; Lemal, Jeannine; Coudert, Michele

PA Institut Francais du Petrole, des Carburants et Lubrifiants, Fr.

SO Fr. Demande, 4 pp.

CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|------------|------|----------|-----------------|----------|
| PI | FR 2236936 | A1 | 19750207 | FR 1973-16741 | 19730509 |
| | FR 2236936 | B1 | 19760423 | | |

PRAI FR 1973-16741

A

19730509

L25 ANSWER 13 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1975:407141 CAPLUS

DN 83:7141

TI Production of lysine derivatives by fermentation

IN Coudert, Michele; Vandecasteele, Jean P.

PA Institut Francais du Petrole, des Carburants et Lubrifiants, Fr.

SO Fr. Demande, 6 pp.

CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---------------|------|----------|-----------------|----------|
| PI | FR 2228837 | A1 | 19741206 | FR 1973-16742 | 19730509 |
| | FR 2228837 | B1 | 19760423 | | |
| PRAI | FR 1973-16742 | A | 19730509 | | |

L25 ANSWER 14 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:472819 CAPLUS

DN 75:72819

TI Use of .alpha.,.epsilon.-diaminopimelic acid by
lysine-producing microorganisms

AU Ozolins, P.

CS Inst. Mikrobiol. im. Kirhensteina, Riga, USSR

SO Poluch. Primen. Aminokislot, Mater. Vses. Soveshch. (1970), Meeting Date
1968, 71-5. Editor(s): Kukain, R. A. Publisher: "Zinatne", Riga, Latv.
SSR.

CODEN: 23OZAS

DT Conference

LA Russian

L25 ANSWER 15 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:430500 CAPLUS

DN 75:30500

TI Allosteric properties of meso-.alpha.,.epsilon.-diaminopimelic
acid decarboxylase in a lysine-accumulating strain of
Brevibacterium 22

AU Kagan, Z. S.; Ignat'eva, L. I.

CS Vses. Nauchno-Issled. Vitam. Inst., Moscow, USSR

SO Doklady Akademii Nauk SSSR (1971), 197(5), 1196-9 [Biochem]

CODEN: DANKAS; ISSN: 0002-3264

DT Journal

LA Russian

L25 ANSWER 16 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:403957 CAPLUS

DN 75:3957

TI Procedure of decarboxylating diaminopimelic acid to
produce L-lysine

AU Safonova, N. V.; Volkova, M. V.; Kotova, G. A.; Gololobov, A. D.

CS All-Union Res. Inst. Biosynth. Protein Substances, Moscow, USSR

SO Prikladnaya Biokhimiya i Mikrobiologiya (1971), 7(2), 145-9

CODEN: PBMIAK; ISSN: 0555-1099

DT Journal

LA Russian

L25 ANSWER 17 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:39601 CAPLUS

DN 74:39601

TI Production of .alpha.,.epsilon.-diaminopimelic
acid by lysine auxotrophs of various bacteria
AU Kase, Hiroshi; Nakayama, Kiyoshi
CS Tokyo Res. Lab., Kyowa Hakko Kogyo Co., Ltd., Tokyo, Japan
SO Nippon Nogei Kagaku Kaishi (1970), 44(10), 457-62
CODEN: NNKKAA; ISSN: 0002-1407
DT Journal
LA Japanese

L25 ANSWER 18 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1970:11410 CAPLUS
DN 72:11410
TI ~~Production of diaminopimelic acid~~
PA Kyowa Fermentation Industry Co., Ltd.
SO Fr., 4 pp.
CODEN: FRXXAK
DT Patent
LA French
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-------------|------|----------|-----------------|----------|
| PI | FR 1556992 | | 19690214 | FR | 19670825 |
| | JP 44014791 | | 19690000 | JP | |
| | US 3719561 | | 19730306 | US | 19680807 |
| PRAI | JP | | 19660826 | | |

L25 ANSWER 19 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1969:469317 CAPLUS
DN 71:69317
TI Formation of lysine from .alpha.,.delta.-diaminopimelic
acid by a culture of Brevibacterium 22
AU Ozolins, R.; Roze, I.
CS USSR
SO Aminokisloty Mikrobnogo Sin. (1968), 67-74. Editor(s): Bekers, M.
Publisher: Izd. "Zinatne", Riga, USSR.
CODEN: 21DBAN
DT Conference
LA Russian

L25 ANSWER 20 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1969:95458 CAPLUS
DN 70:95458
TI Diaminopimelic acid by bacterial fermentation
PA Kyowa Fermentation Industry Co., Ltd.
SO Fr., 3 pp.
CODEN: FRXXAK
DT Patent
LA French
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|------------|------|----------|-----------------|----------|
| PI | FR 1514016 | | 19680216 | FR 1967-98560 | 19670313 |
| PRAI | JP | | 19660314 | | |

L25 ANSWER 21 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1956:16547 CAPLUS
DN 50:16547
OREF 50:3508a-e
TI Stereoisomers of .alpha.,.epsilon.-diaminopimelic acid
: their distribution in nature and behavior towards certain enzyme
preparations

AU Hoare, D. S.; Work, Elizabeth
CS Univ. Coll. Hosp. Med. School, London, UK
SO Biochemical Journal (1955), 61, 562-8
CODEN: BJJOAK; ISSN: 0264-6021
DT Journal
LA English